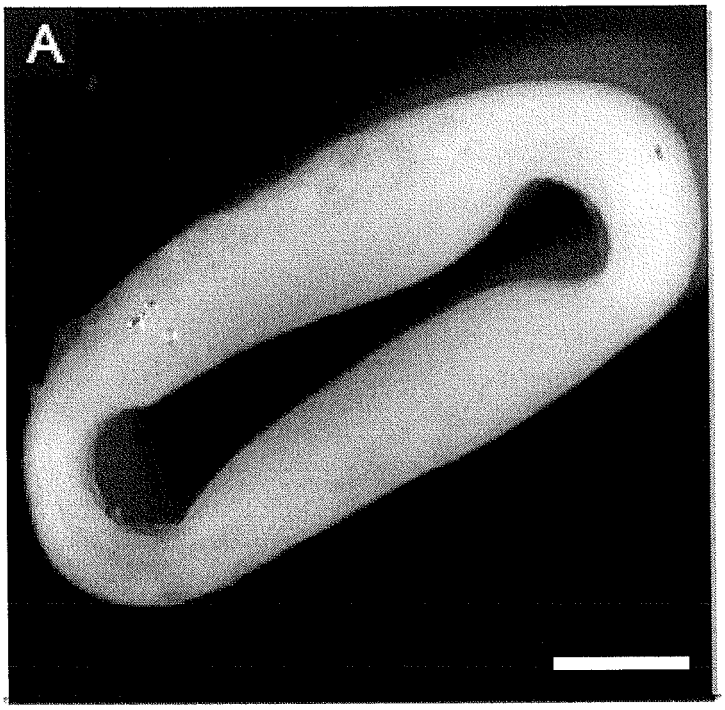


Figure 1

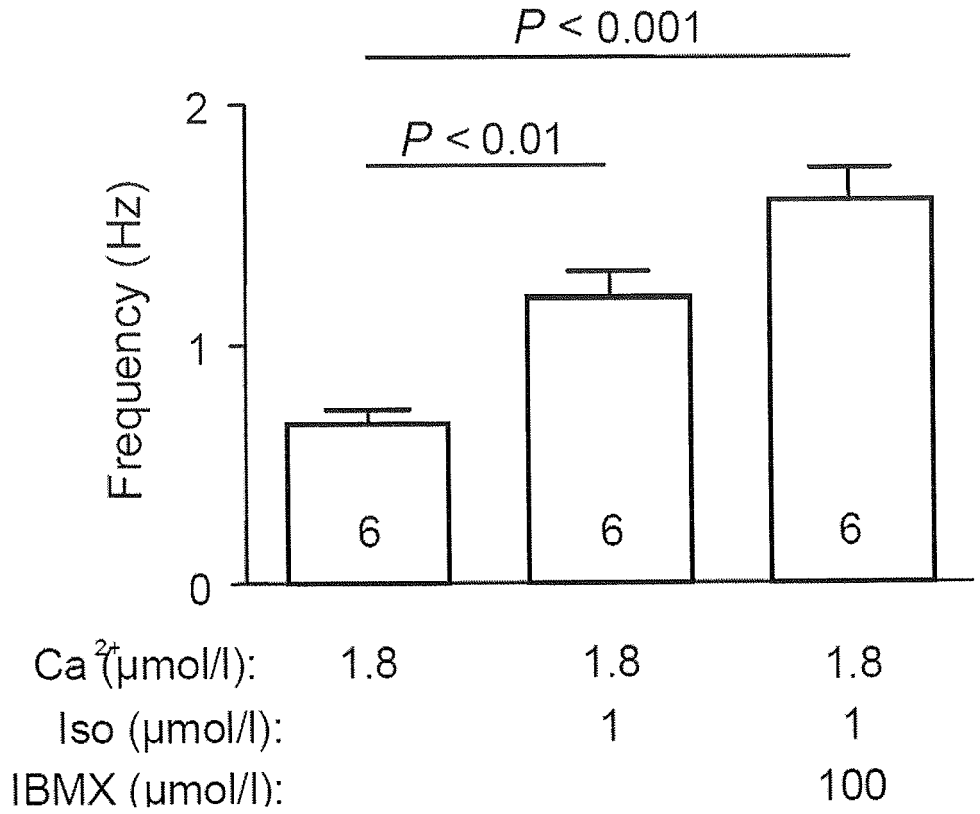


Figure 2A

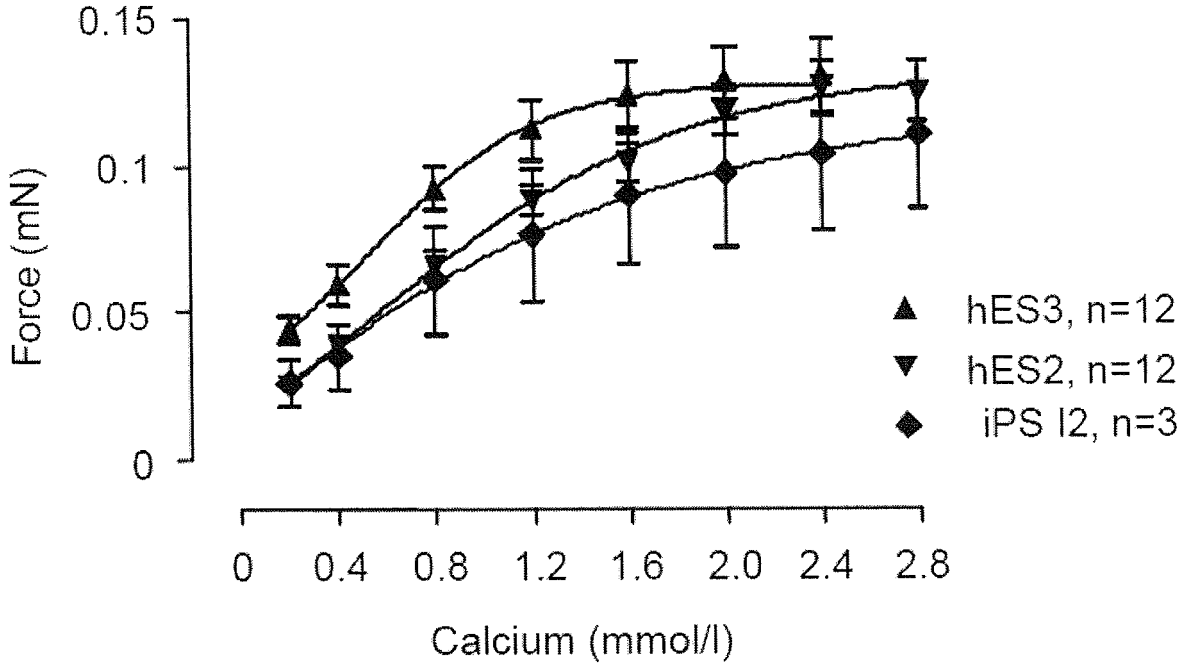


Figure 2B

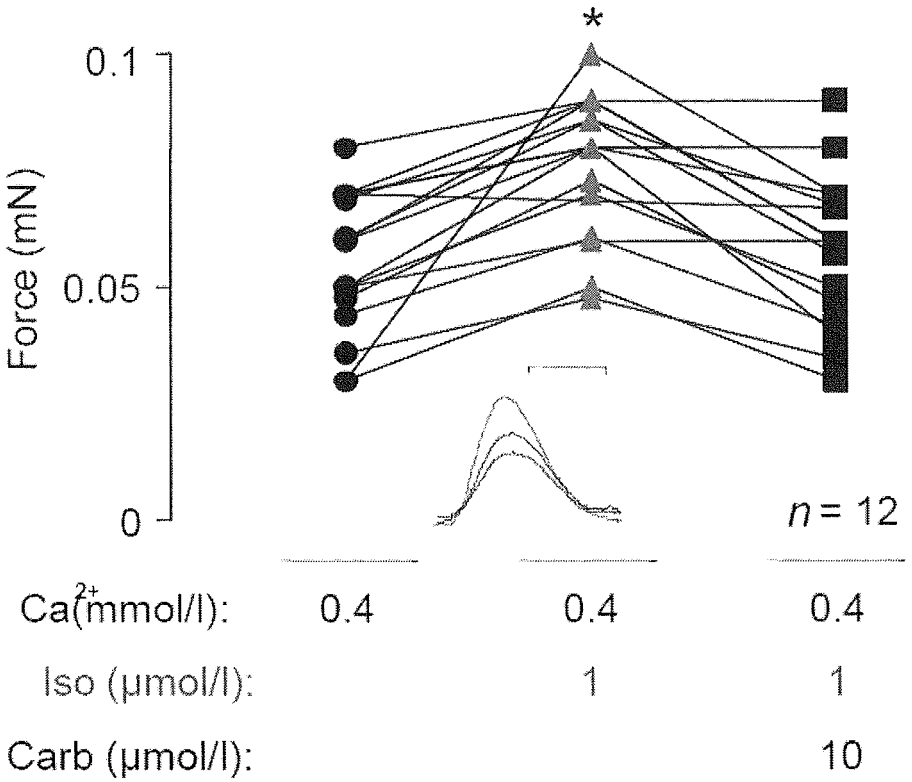


Figure 2C

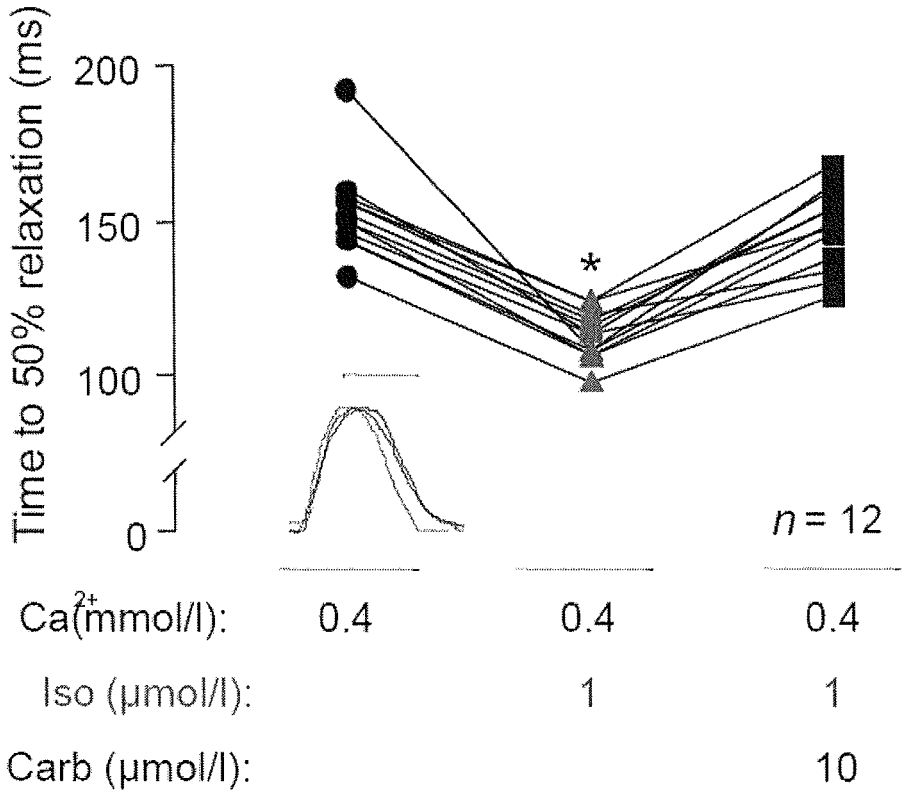


Figure 2D

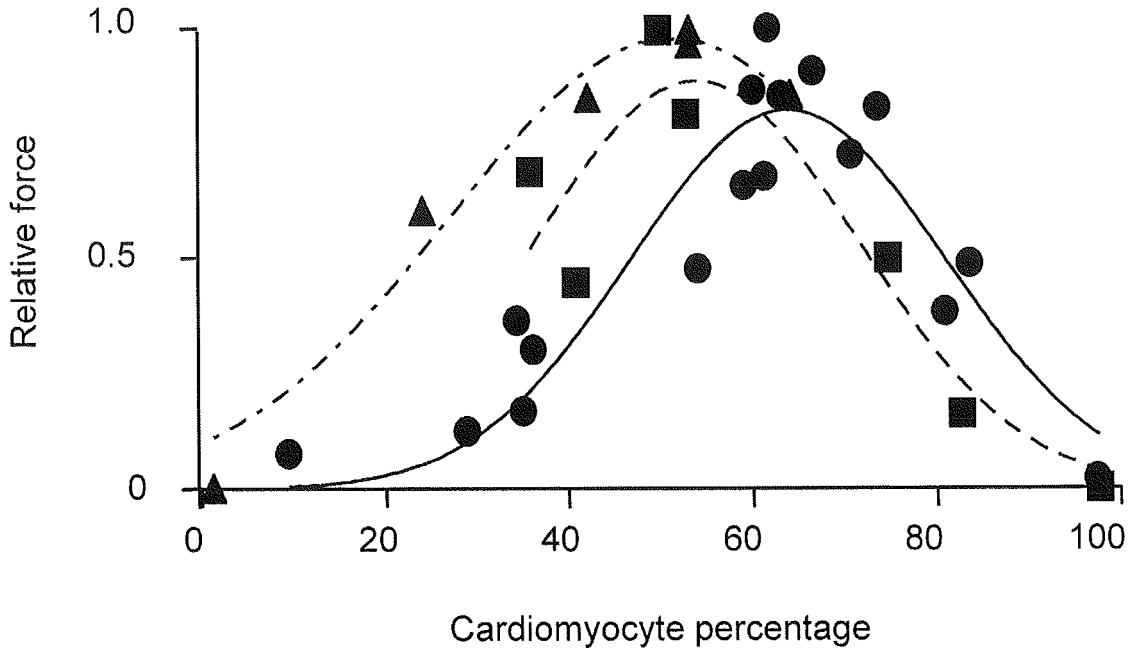


Figure 3A

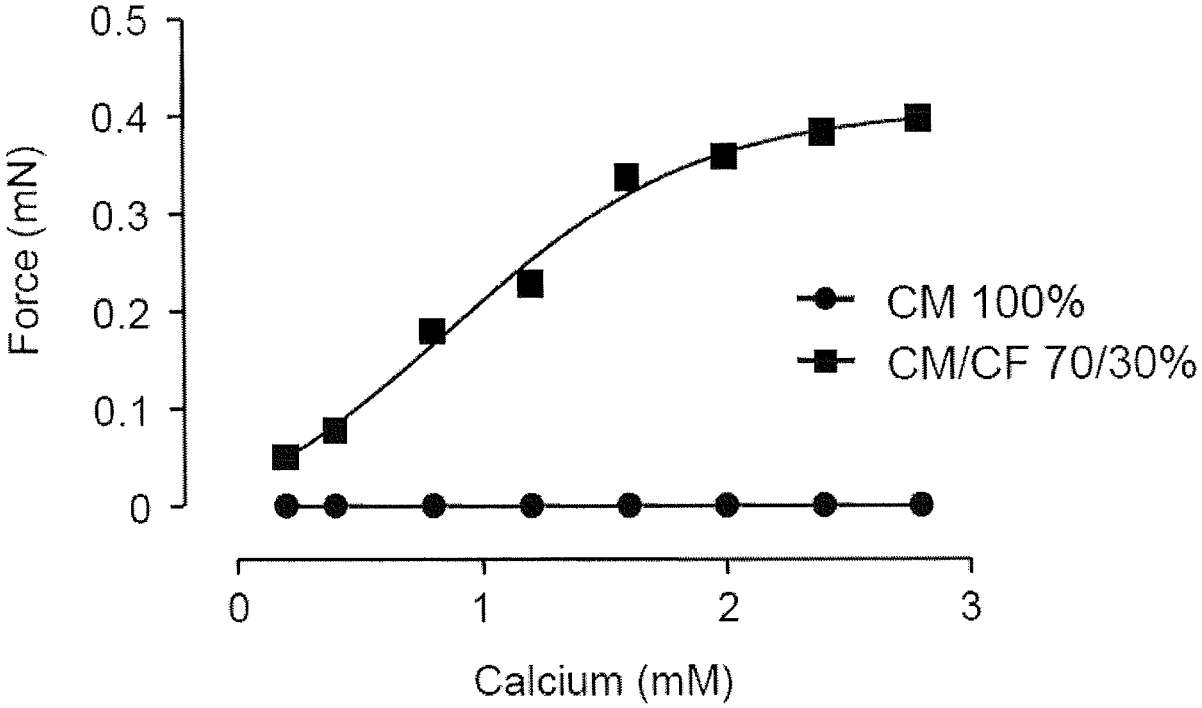


Figure 3B

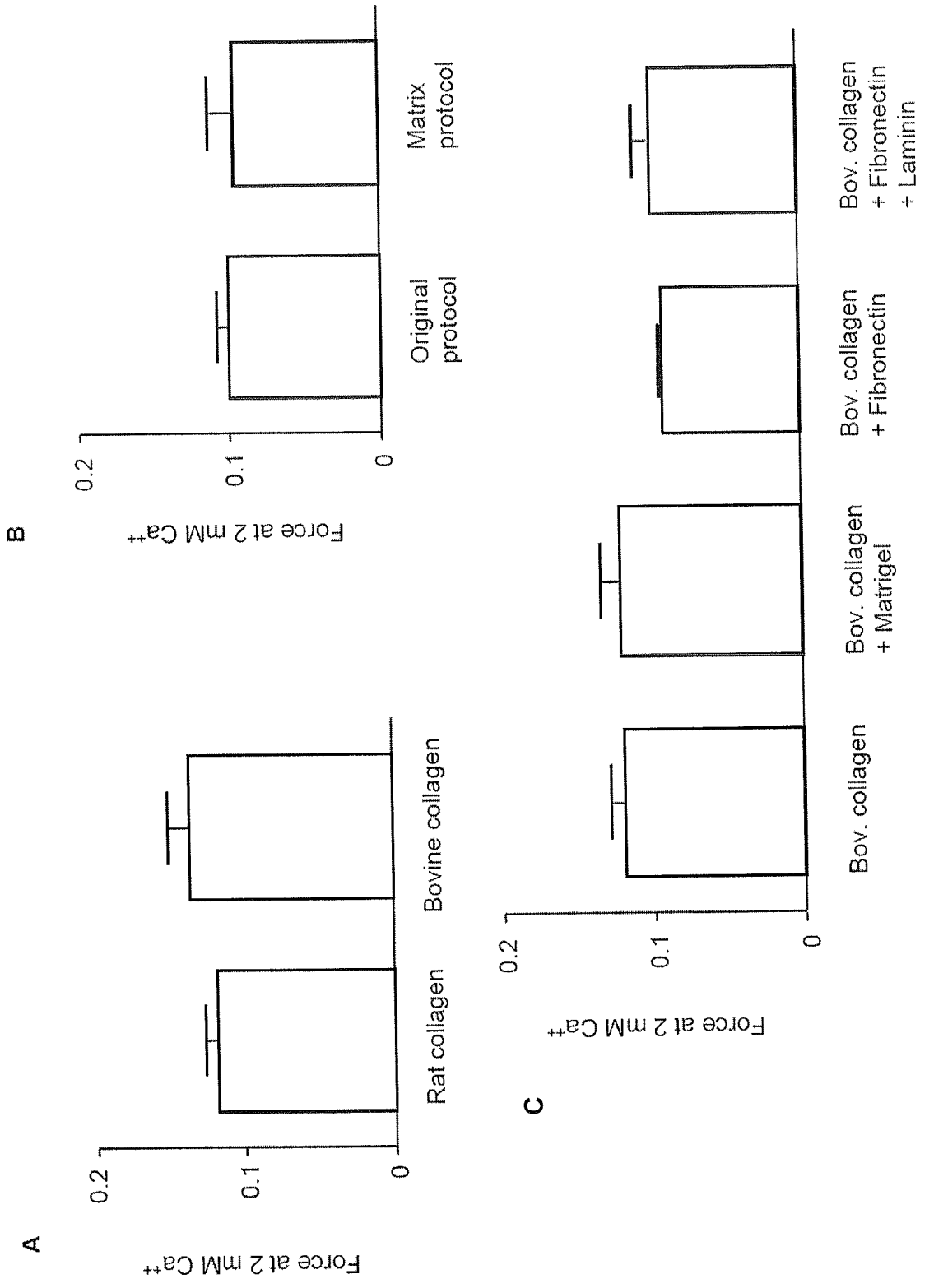

A
Force at 2 mM Ca++
0.2
0.1
0
Rat collagen
Bovine collagen
B
Force at 2 mM Ca++
0.2
0.1
0
Original protocol
Matrix protocol
C
Force at 2 mM Ca++
0.2
0.1
0
Bov. collagen
Bov. collagen + Matrigel
Bov. collagen + Fibronectin
Bov. collagen + Fibronectin + Laminin

Figure 4

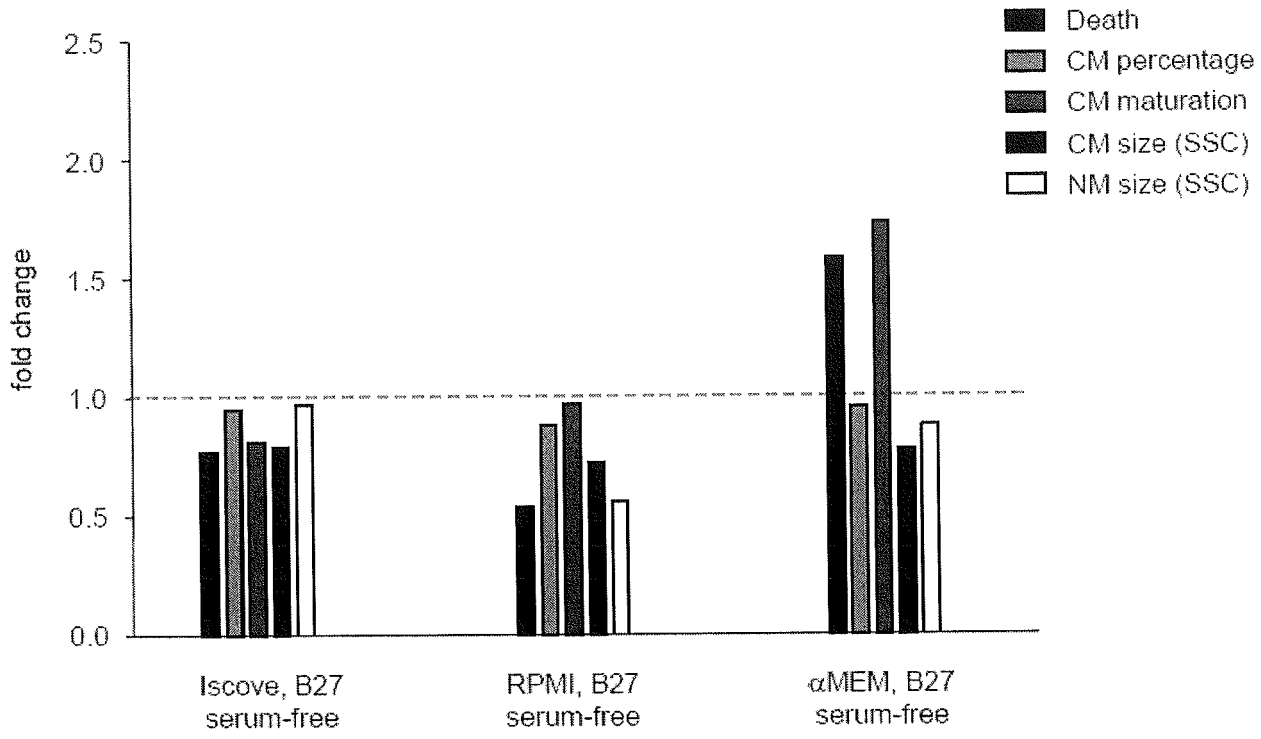


Figure 5A

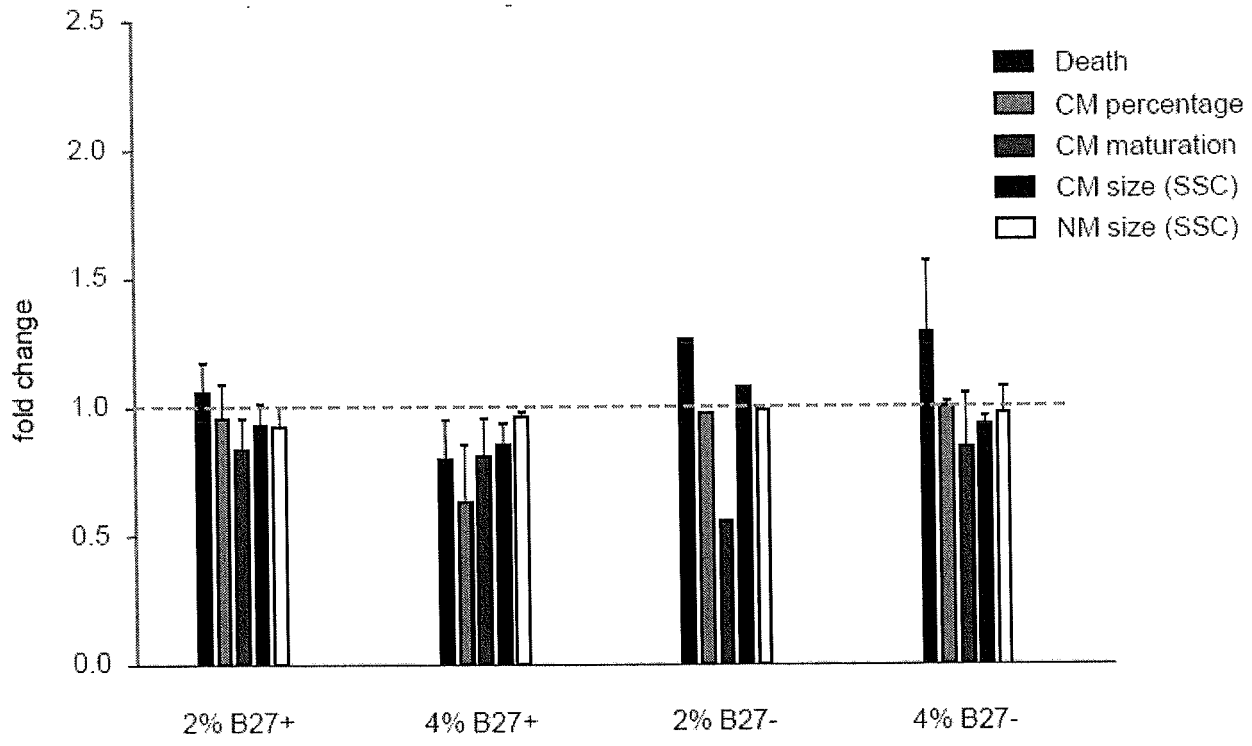


Figure 5B

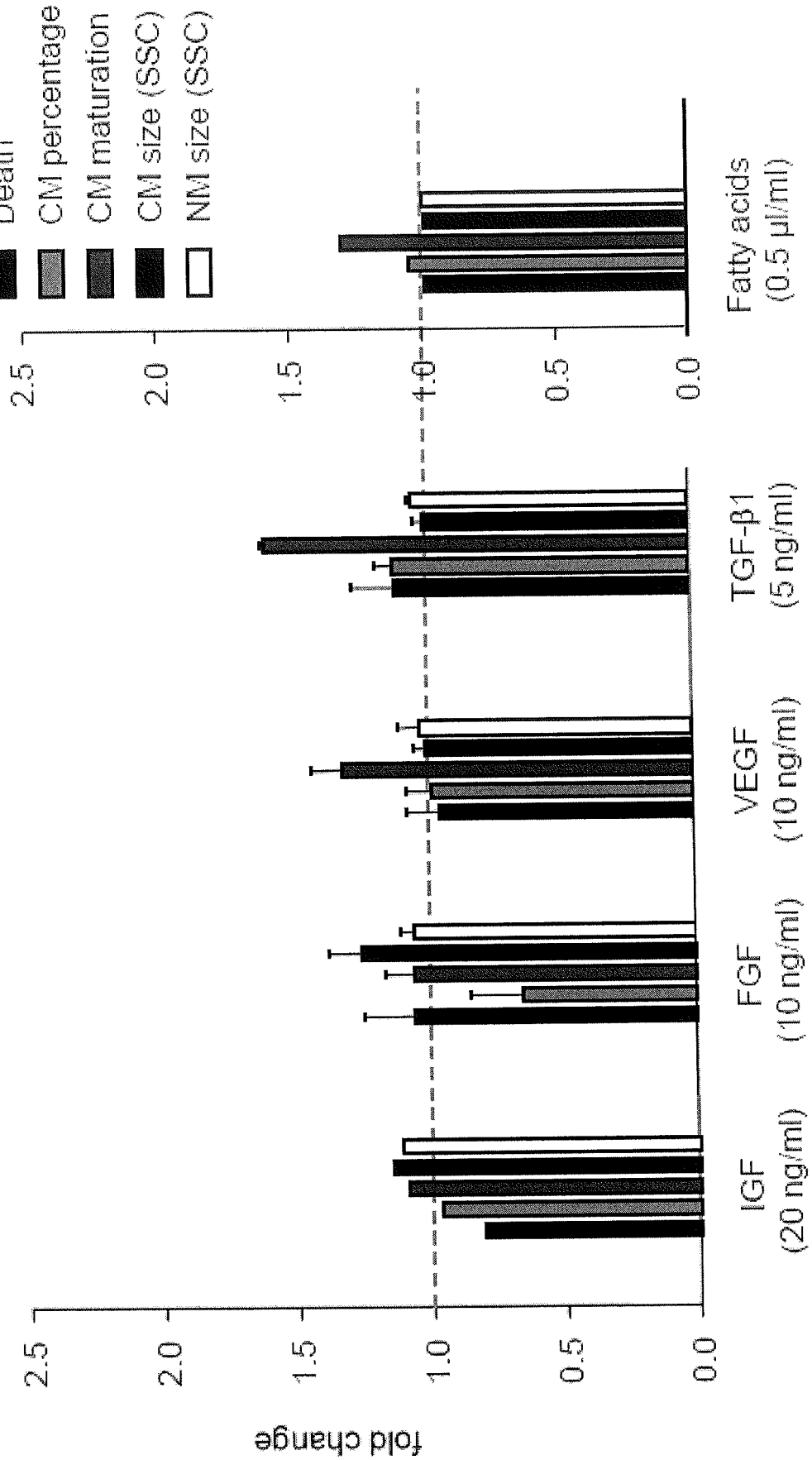

Death
CM percentage
CM maturation
CM size (SSC)
NM size (SSC)
fold change
2.5
2.0
1.5
1.0
0.5
0.0
IGF (20 ng/ml)
FGF (10 ng/ml)
VEGF (10 ng/ml)
TGF-β1 (5 ng/ml)
Fatty acids (0.5 µl/ml)

Figure 6A

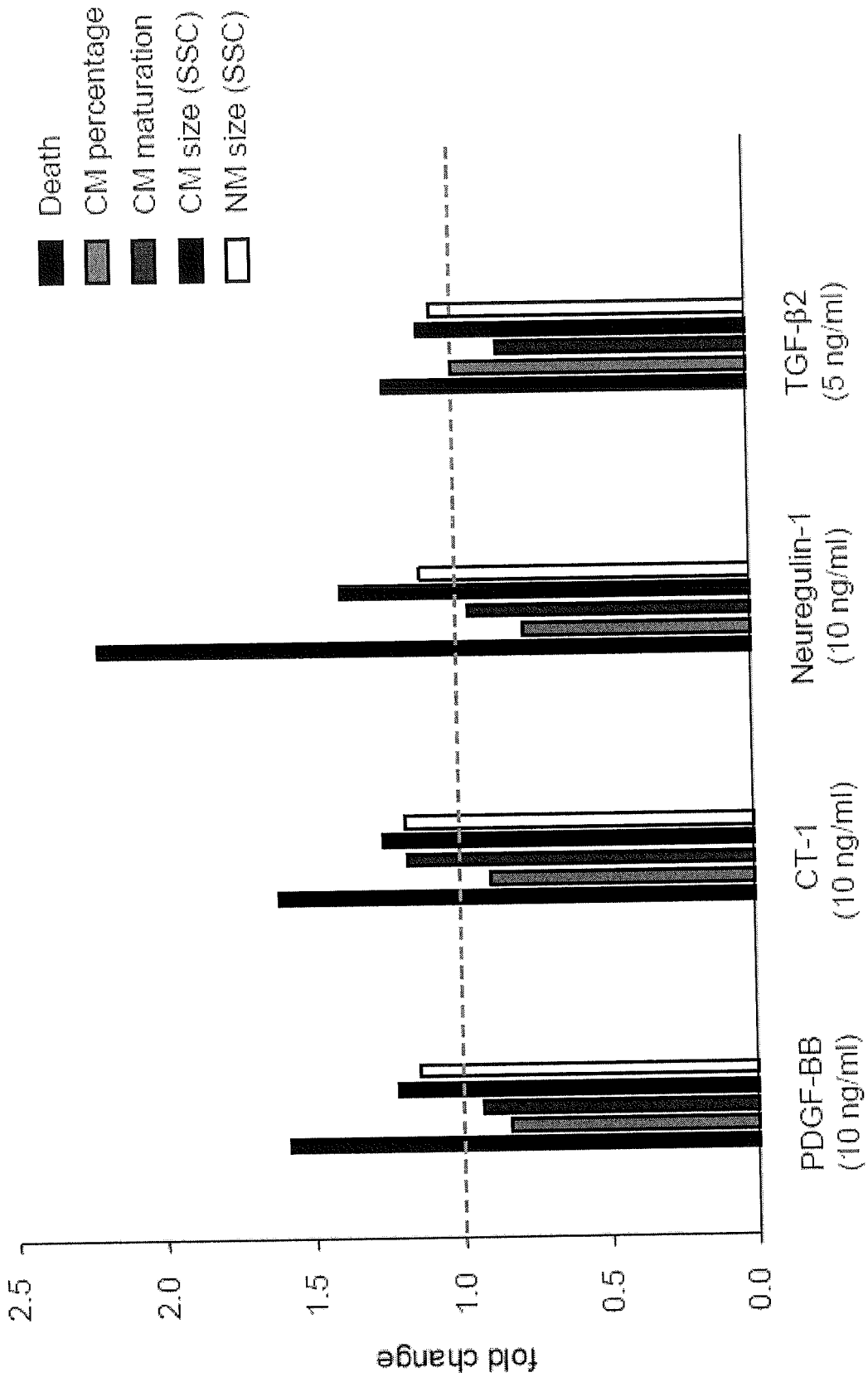

Death
CM percentage
CM maturation
CM size (SSC)
NM size (SSC)
fold change
2.5
2.0
1.5
1.0
0.5
0.0
PDGF-BB (10 ng/ml)
CT-1 (10 ng/ml)
Neuregulin-1 (10 ng/ml)
TGF-β2 (5 ng/ml)

Figure 6B

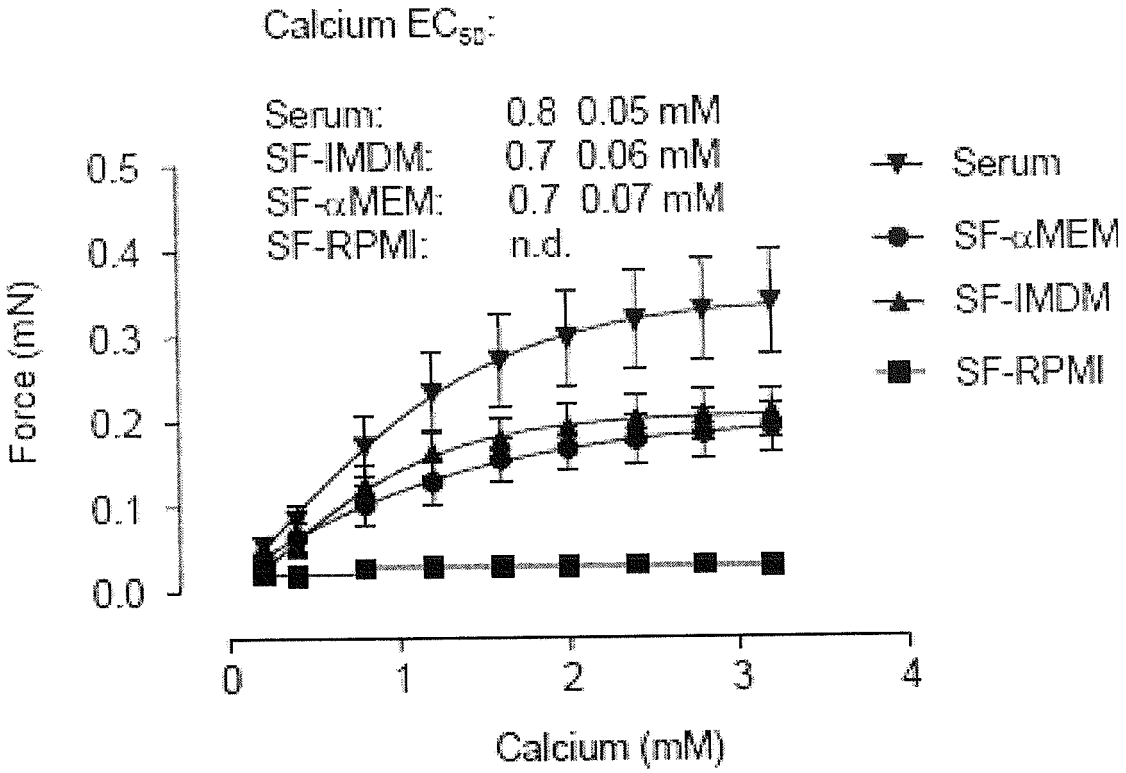


Figure 7A

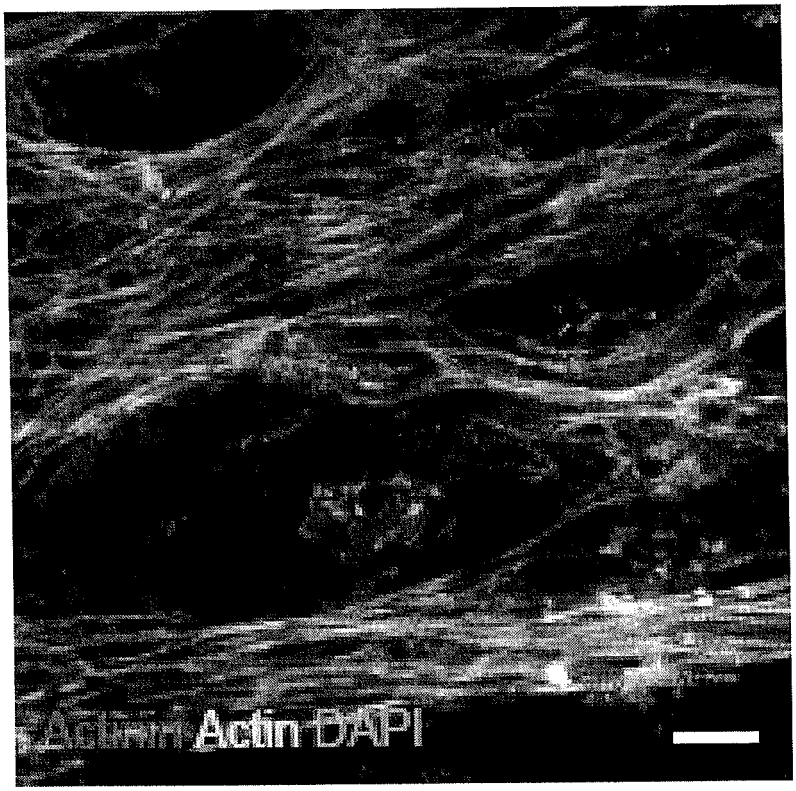


Figure 7B

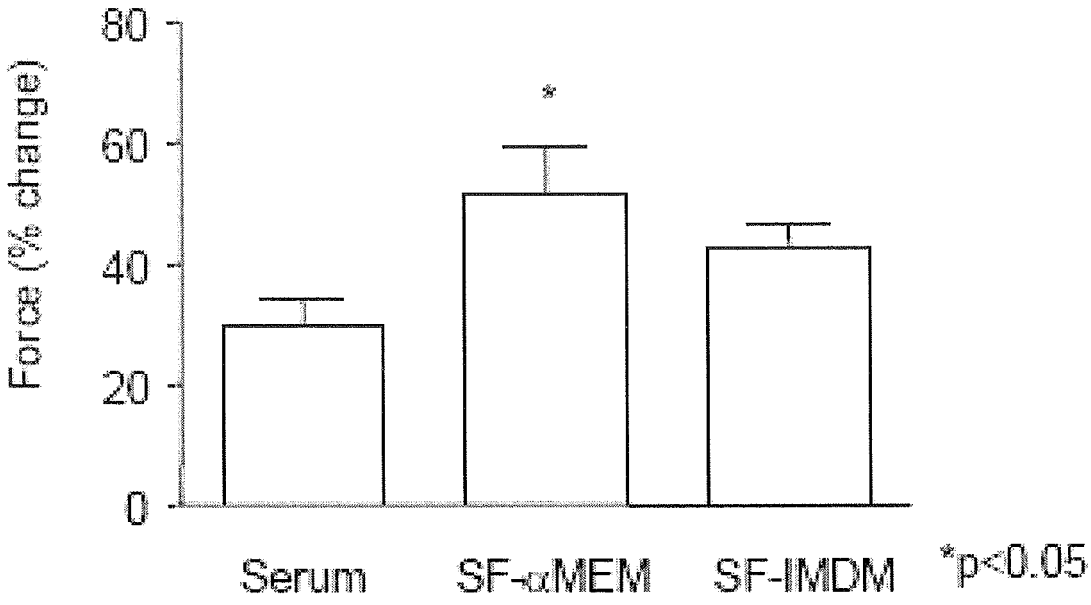


Figure 7C

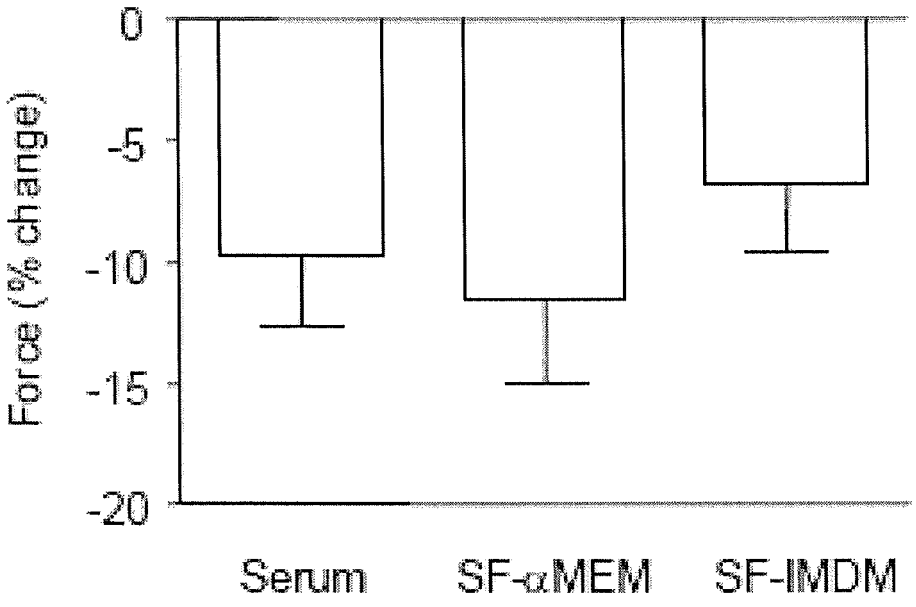


Figure 7D

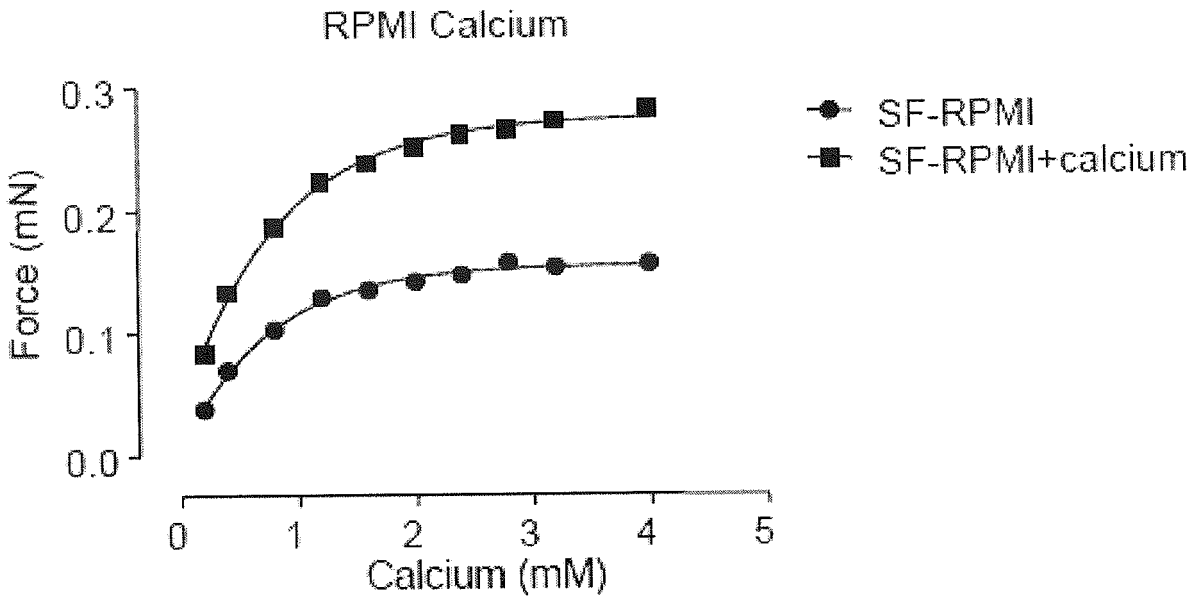


Figure 8A

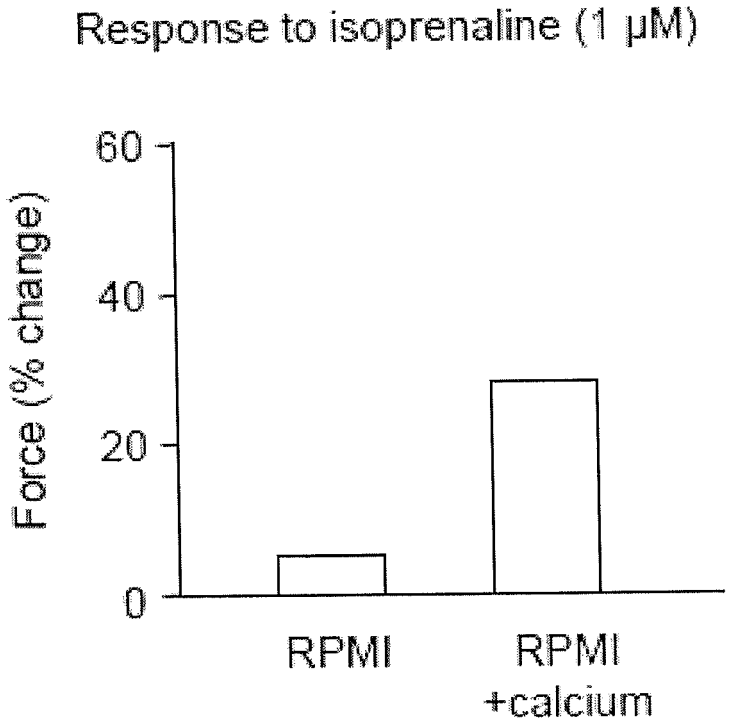


Figure 8B

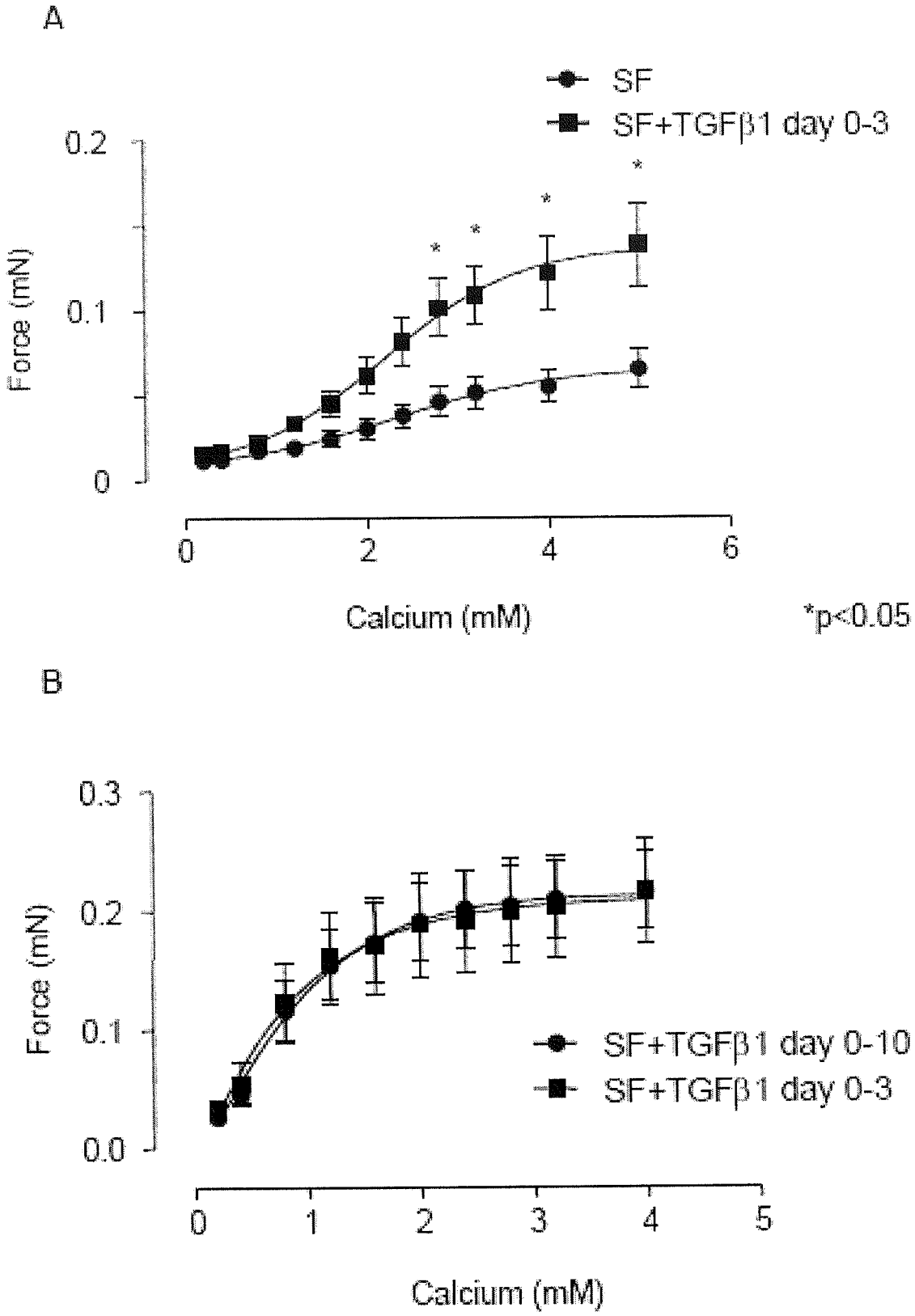

A
SF
SF+TGFβ1 day 0-3
Force (mN)
0.2
0.1
0
0
2
4
6
Calcium (mM)
*p<0.05
B
0.3
0.2
0.1
0.0
Force (mN)
SF+TGFβ1 day 0-10
SF+TGFβ1 day 0-3
0
1
2
3
4
5
Calcium (mM)

Figure 9

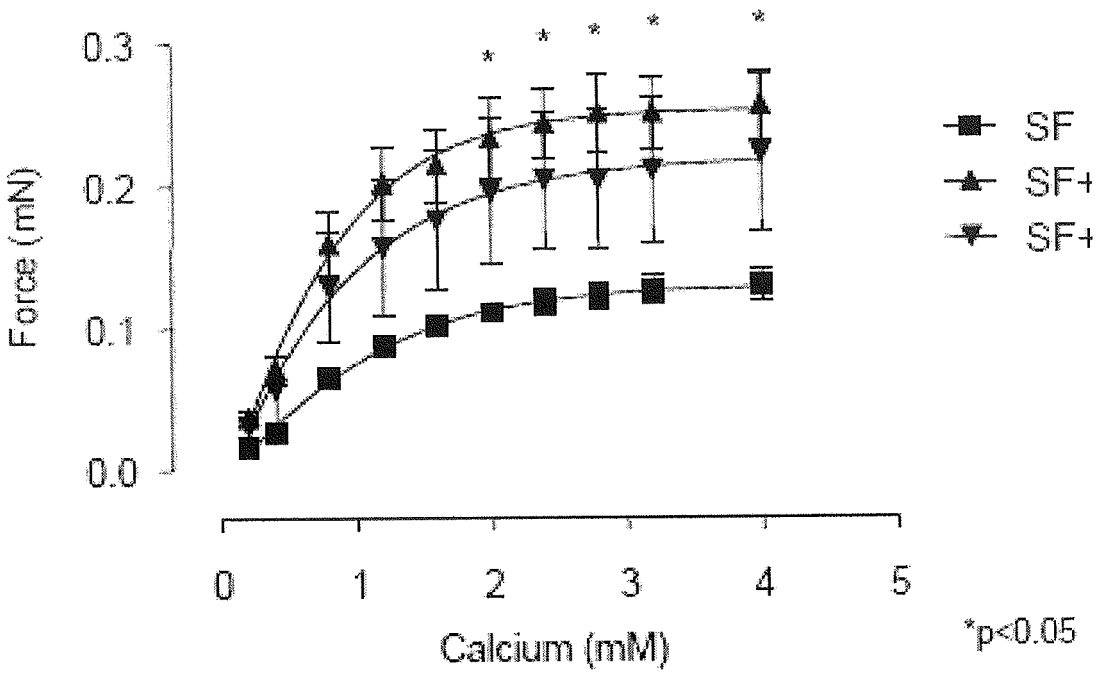


Figure 10

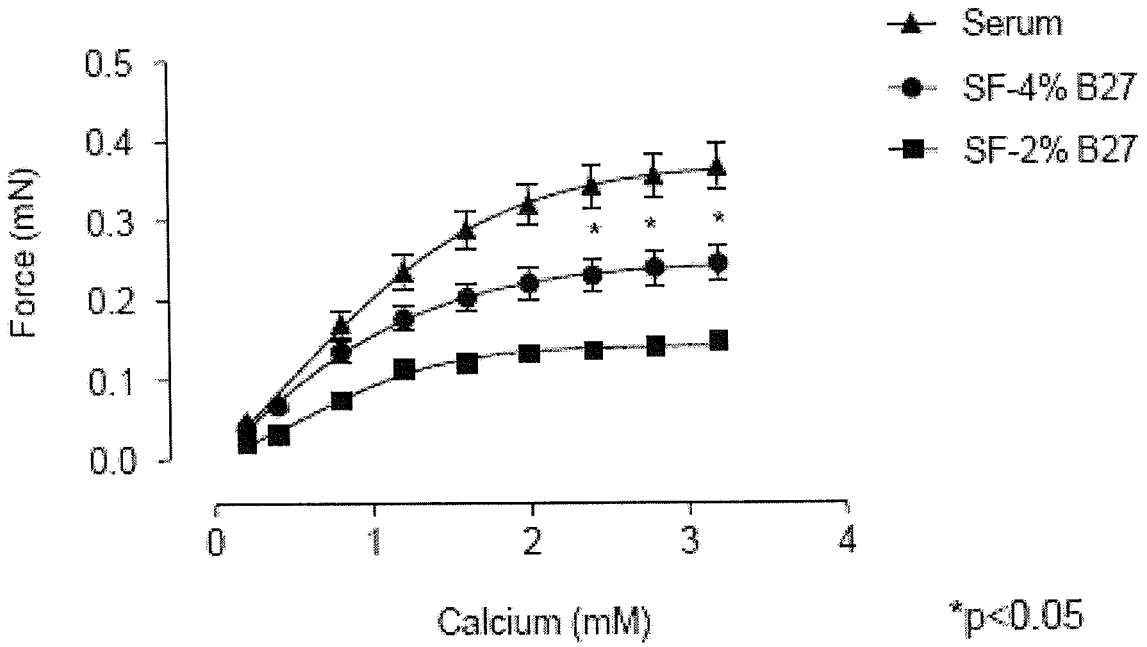


Figure 11

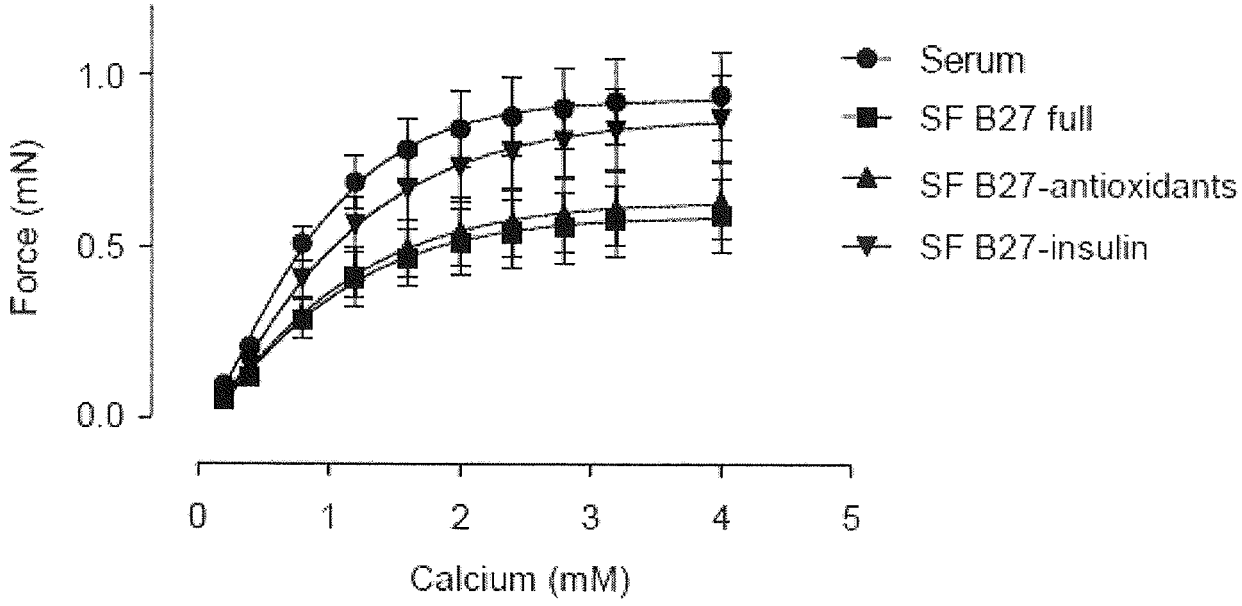


Figure 12

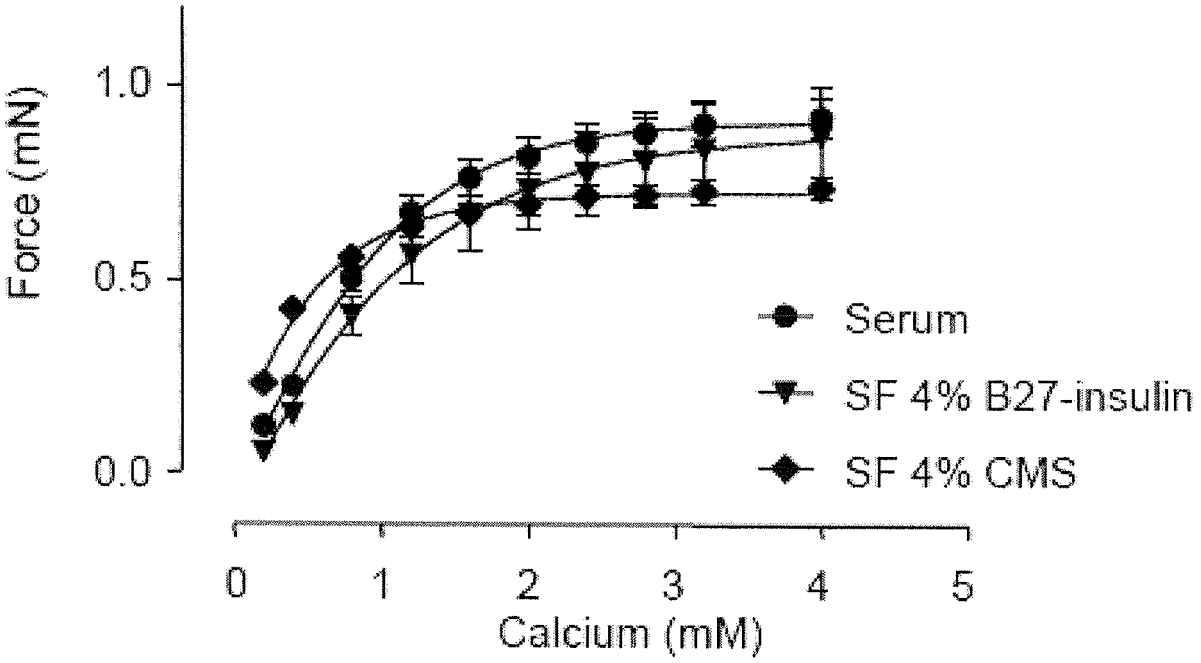


Figure 13A

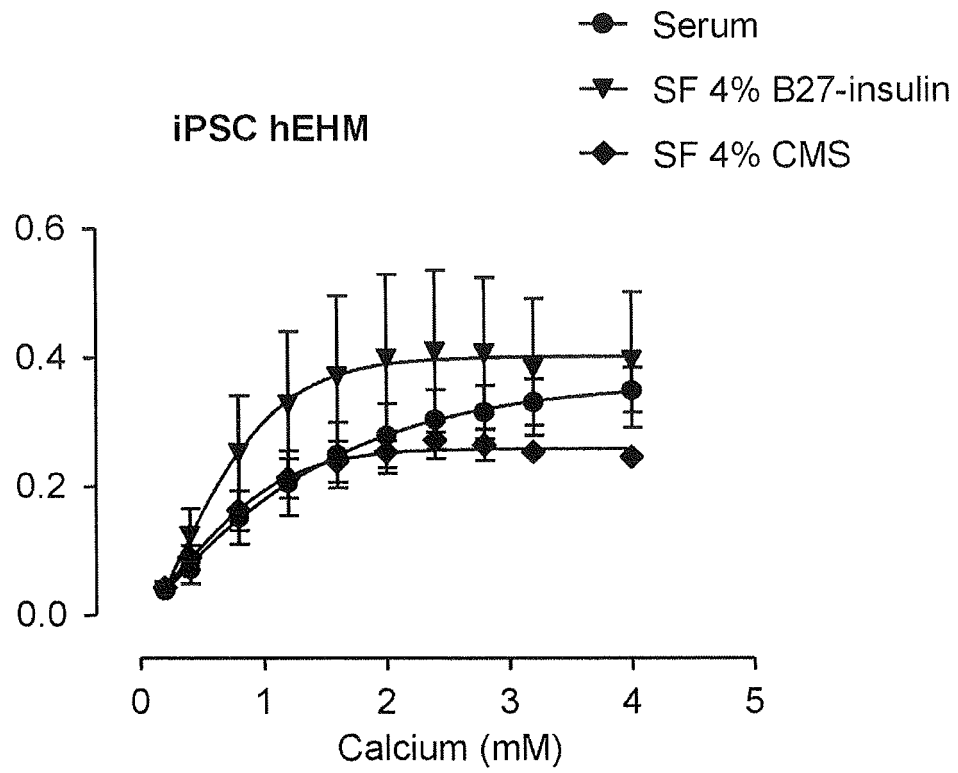


Figure 13B

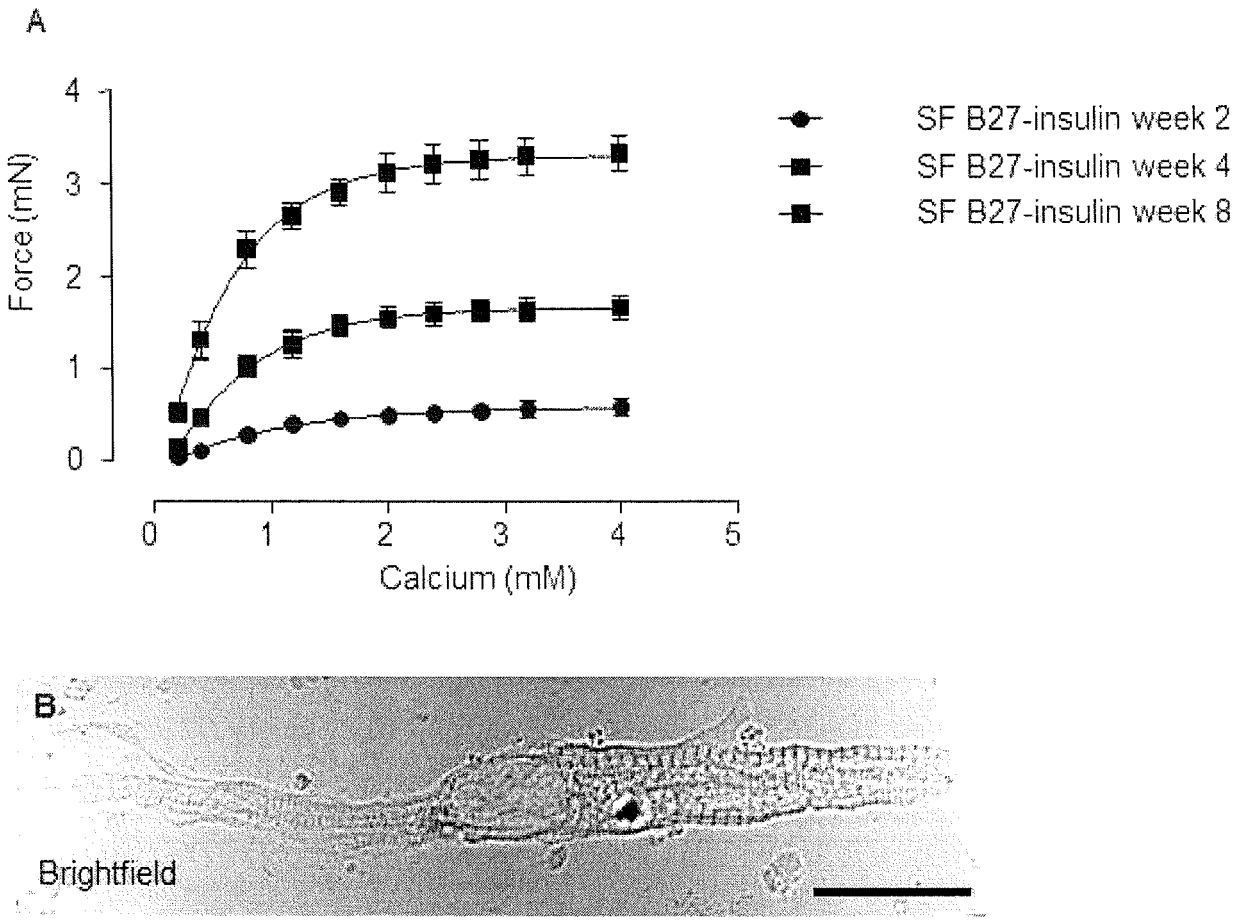


Figure 14